HAKAN OKAY

343-297-1355 | hokay.ca@gmail.com | Ottawa, ON

hakanokay.dev | linkedin.com/in/hakan-okay | github.com/h-okay

SUMMARY

Experienced Software Engineer with 3+ years of professional experience specializing in the design and implementation of diverse web applications and services across various technological frameworks, tools, and languages. Has experience working on both the client and the server. Fluent in Python, TypeScript and Go, also written a good amount of Java.

EXPERIENCE

Software Engineer   09/2023 - Present
TwinsMusic Enterprises   Ottawa, ON
- Developed a new version of an online, subscription-based music library, resulting in a 20% increase in engagement.
- Optimized database queries and improved system performance by 40% through refactoring and performance tuning.
- Developed a robust testing framework that increased code coverage by 50% and reduced bug reports by 75%.
- Led a team of four developers and did code reviews, improving efficiency and reducing time spent on tasks by 25%.

Software Engineer   02/2023 - 09/2023
Self-employed   Ottawa, ON
- Optimized ETL processes for a firm, reducing execution times by 25% and saving over $100,000 in annual costs.
- Used machine learning to personalize ads for an e-commerce with $\sim$4700 monthly users, boosting revenue by 15%.
- Developed a service for accessing machine learning predictions, allowing for a 50% faster integration on new models.
- Designed and implemented a web application to manage and track sales, reducing processing times by 30%.

Software Engineer   03/2022 - 02/2023
Bruin   Ottawa, ON
- Added the ability to run data processes on the cloud to a CLI, reduced pipeline development times by 30%.
- Optimized an API generating analytics reports, integrated more KPIs and improved response times by 15%.
- Automated data modelling for apps with similar characteristics, allowing 50% faster onboarding to the platform.
- Debugged the parser of an Airflow pipeline generation and management tool, increased the test coverage by 10%.
- Built and managed ETL pipelines processing $\sim$1 billion rows of data daily from 10 clients across 35 mobile apps.

SKILLS

Languages: Python, Go, TypeScript, SQL, Java

Frameworks: React, Next.js, Tailwind

Tools: Linux, Git, Docker, GCP

Databases: PostgreSQL, MongoDB

Familiar with: Airflow, Terraform, Expo, AWS

PROJECTS

Quill: Chat with your PDF files.
TypeScript, React, Next.js, Tailwind, tRPC, Pinecone, Stripe
Live at quill.hakanokay.dev

WorldMaker: Create cities in your browser.
Plain JavaScript, Canvas API, Data Structures (mainly Graphs)
Live at selfdriving.hakanokay.dev

EDUCATION

Algonquin College   09/2022 - 02/2024
Diploma in Computer Programming | Honours   Ottawa, ON

Miuul & Data Science Academy   12/2021 - 03/2022
Certificate of Data Science and Machine Learning | Bootcamp   Izmir, Turkey

Akdeniz University   09/2014 - 09/2019
Bachelor of Science in Engineering   Antalya, Turkey